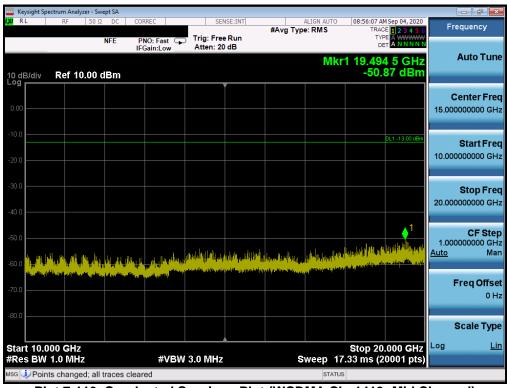


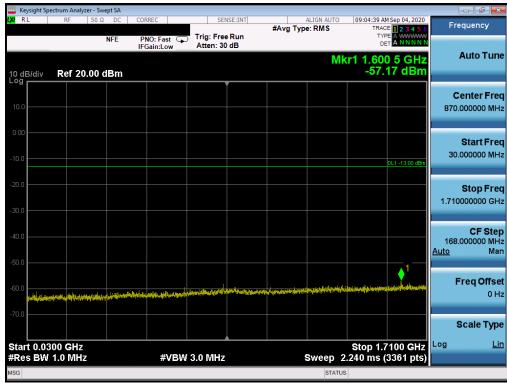
Plot 7-112. Conducted Spurious Plot (WCDMA Ch. 1413- Mid Channel)



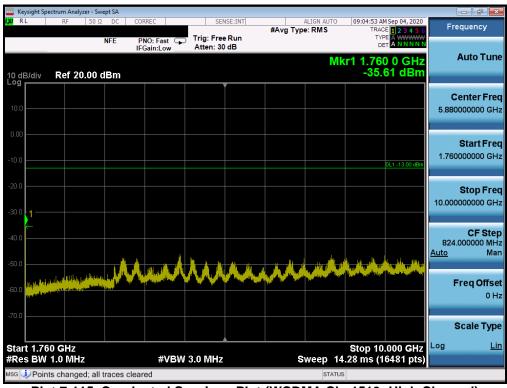
Plot 7-113. Conducted Spurious Plot (WCDMA Ch. 1413- Mid Channel)

FCC ID: ZNFK200QM	Proud to be part of  stement	PART 27 MEASUREMENT REPORT	.G	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogo 71 of 119
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset		Page 71 of 118





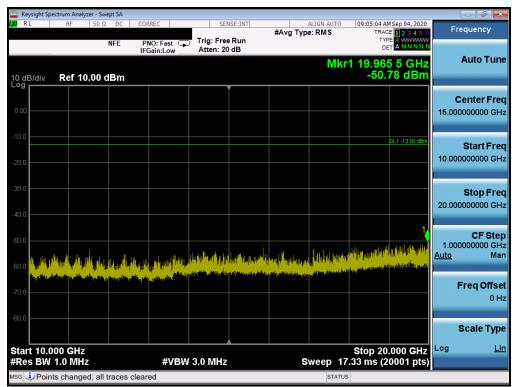
Plot 7-114. Conducted Spurious Plot (WCDMA Ch. 1513- High Channel)



Plot 7-115. Conducted Spurious Plot (WCDMA Ch. 1513- High Channel)

FCC ID: ZNFK200QM	PCTEST* Proud to be part of element	PART 27 MEASUREMENT REPORT	① LG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogg 70 of 110
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset		Page 72 of 118
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Plot 7-116. Conducted Spurious Plot (WCDMA Ch. 1513- High Channel)

FCC ID: ZNFK200QM	Proud to be port of @ element	PART 27 MEASUREMENT REPORT	LG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 73 of 118
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset		Page 73 01 116



## LTE Band 66/4



Plot 7-117. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)



Plot 7-118. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: ZNFK200QM	Proud to be port of @element	PART 27 MEASUREMENT REPORT	LG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 74 of 118
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset		rage 74 01 116





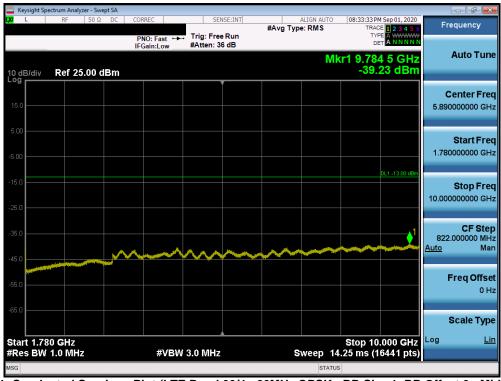
Plot 7-119. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)



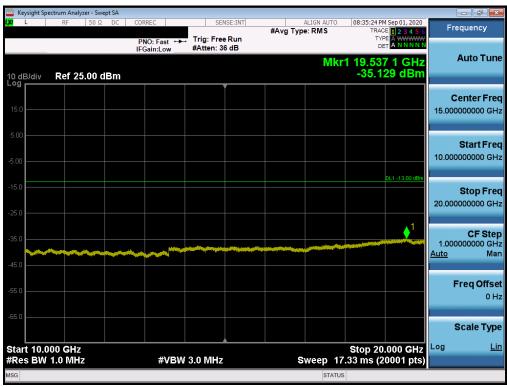
Plot 7-120. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFK200QM	Proud to be part of selement	PART 27 MEASUREMENT REPORT	LG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 75 of 118
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset		rage 75 of 116





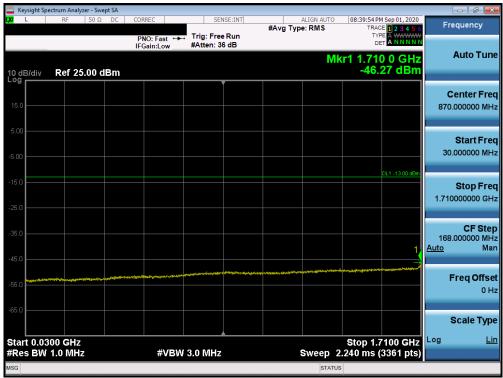
Plot 7-121. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)



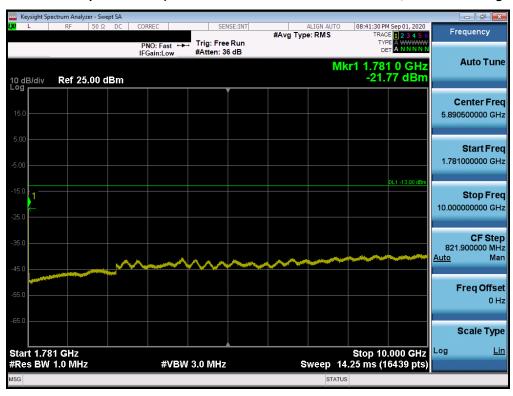
Plot 7-122. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFK200QM	Proud to be part of selement	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 76 of 119
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset	Page 76 of 118





Plot 7-123. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel)



Plot 7-124. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: ZNFK200QM	PCTEST* Proud to be part of element	PART 27 MEASUREMENT REPORT	① LG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Daga 77 of 110
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset		Page 77 of 118
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Plot 7-125. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: ZNFK200QM	Proud to be port of @ element	PART 27 MEASUREMENT REPORT	LG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 78 of 118
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset		rage 70 of 110



# 7.5 Peak-Average Ratio

### **Test Overview**

A peak to average ratio measurement is performed at the conducted port of the EUT. The spectrum analyzers Complementary Cumulative Distribution Function (CCDF) measurement profile is used to determine the largest deviation between the average and the peak power of the EUT in a given bandwidth. The CCDF curve shows how much time the peak waveform spends at or above a given average power level. The percent of time the signal spends at or above the level defines the probability for that particular power level.

### **Test Procedure Used**

KDB 971168 D01 v03r01 - Section 5.7.1

## **Test Settings**

- 1. The signal analyzer's CCDF measurement profile is enabled
- 2. Frequency = carrier center frequency
- 3. Measurement BW ≥ OBW or specified reference bandwidth
- 4. The signal analyzer was set to collect one million samples to generate the CCDF curve
- 5. The measurement interval was set depending on the type of signal analyzed. For continuous signals (>98% duty cycle), the measurement interval was set to 1ms. For burst transmissions, the spectrum analyzer is set to use an internal "RF Burst" trigger that is synced with an incoming pulse and the measurement interval is set to less than the duration of the "on time" of one burst to ensure that energy is only captured during a time in which the transmitter is operating at maximum power

#### **Test Setup**

The EUT and measurement equipment were set up as shown in the diagram below.



Figure 7-2. Test Instrument & Measurement Setup

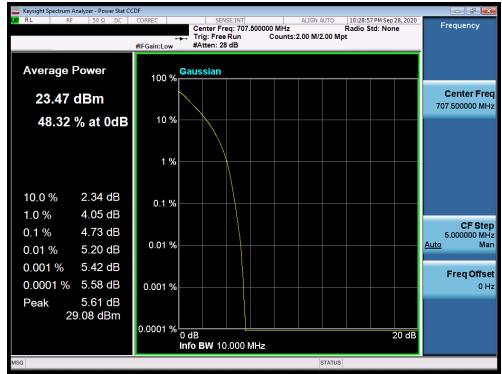
#### **Test Notes**

None.

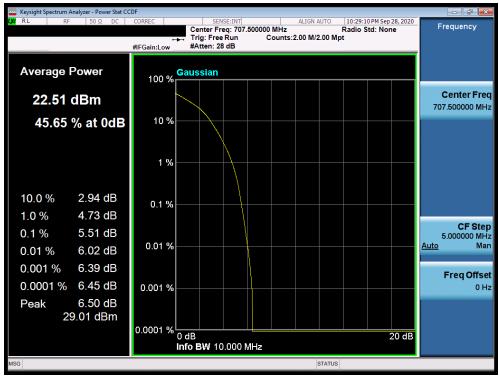
FCC ID: ZNFK200QM	Proud to be port of selement	PART 27 MEASUREMENT REPORT	LG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 79 of 118
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset		rage 19 01 110



## LTE Band 12/17



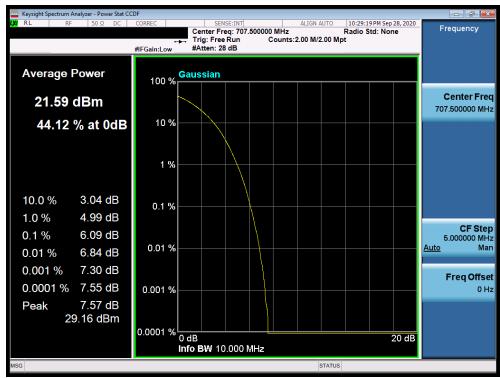
Plot 7-126. PAR Plot (LTE Band 12/17 - 10MHz QPSK - Full RB Configuration)



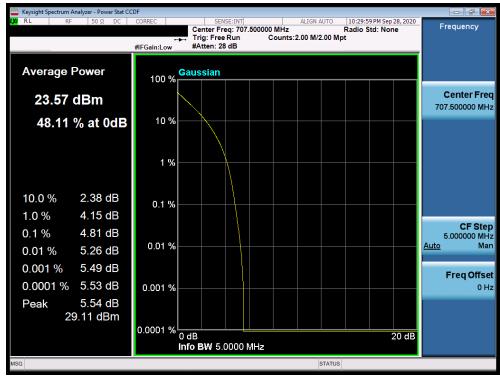
Plot 7-127. PAR Plot (LTE Band 12/17 - 10MHz 16-QAM - Full RB Configuration)

FCC ID: ZNFK200QM	Proud to be port of  stement	PART 27 MEASUREMENT REPORT LG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 90 of 119
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset	Page 80 of 118





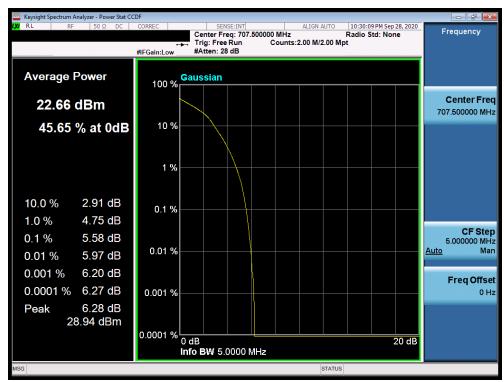
Plot 7-128. PAR Plot (LTE Band 12/17 - 10MHz 64-QAM - Full RB Configuration)



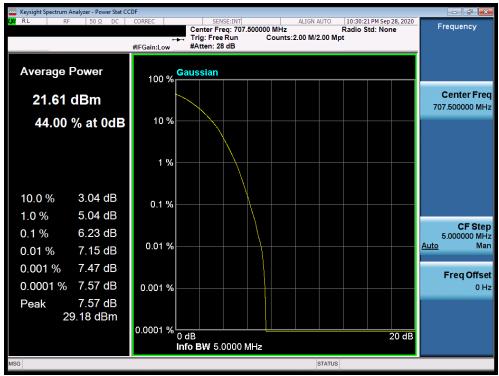
Plot 7-129. PAR Plot (LTE Band 12/17 - 5MHz QPSK - Full RB Configuration)

FCC ID: ZNFK200QM	PCTEST* Proud to be part of the element	PART 27 MEASUREMENT REPORT	LG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogg 04 of 440
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset		Page 81 of 118
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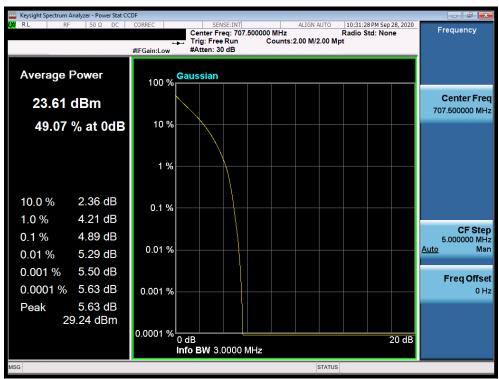
Plot 7-130. PAR Plot (LTE Band 12/17 - 5MHz 16-QAM - Full RB Configuration)



Plot 7-131. PAR Plot (LTE Band 12/17 - 5MHz 64-QAM - Full RB Configuration)

FCC ID: ZNFK200QM	Proud to be part of @element	PART 27 MEASUREMENT REPORT	① LG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dags 02 of 110
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset		Page 82 of 118
© 2020 PCTEST	•	•		•





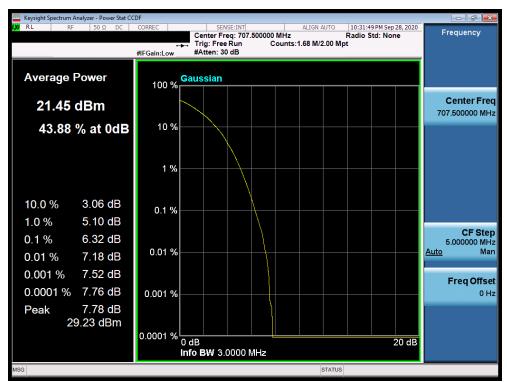
Plot 7-132. PAR Plot (LTE Band 12 - 3MHz QPSK - Full RB Configuration)



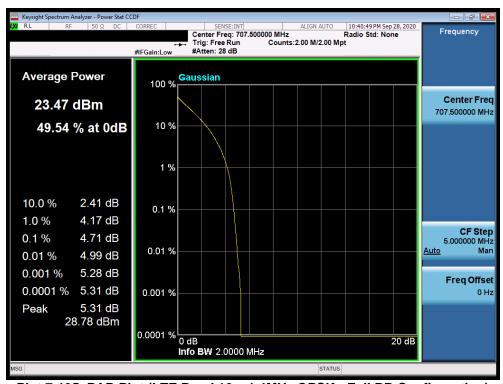
Plot 7-133. PAR Plot (LTE Band 12 - 3MHz 16-QAM - Full RB Configuration)

	•	,	
FCC ID: ZNFK200QM	Proud to be part of @ element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 83 of 118
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset	raye oo ul 118





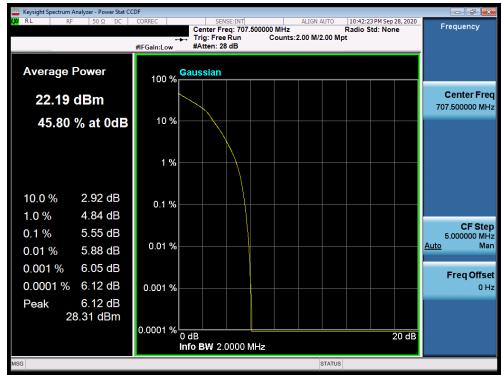
Plot 7-134. PAR Plot (LTE Band 12 - 3MHz 64-QAM - Full RB Configuration)



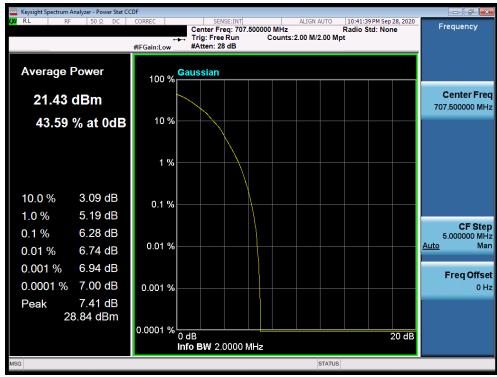
Plot 7-135. PAR Plot (LTE Band 12 – 1.4MHz QPSK - Full RB Configuration)

FCC ID: ZNFK200QM	Proud to be part of selement	PART 27 MEASUREMENT REPORT LG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 94 of 119
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset	Page 84 of 118





Plot 7-136. PAR Plot (LTE Band 12 - 1.4MHz 16-QAM - Full RB Configuration)

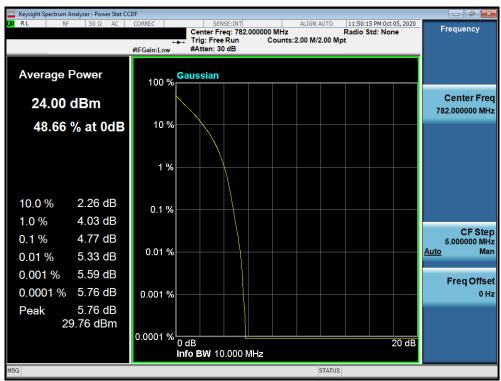


Plot 7-137. PAR Plot (LTE Band 12 – 1.4MHz 64-QAM - Full RB Configuration)

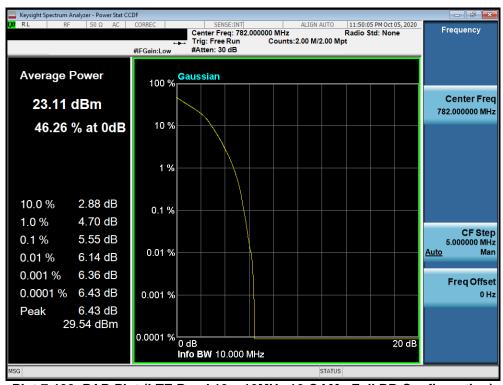
# LTE Band 13

FCC ID: ZNFK200QM	PCTEST*	PART 27 MEASUREMENT REPORT	① LG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dog 05 of 110
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset		Page 85 of 118
© 2020 PCTEST	•	·		





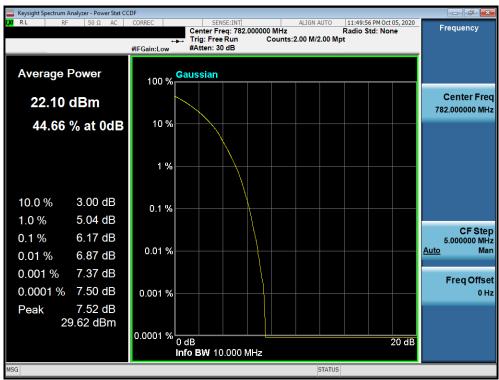
Plot 7-138. PAR Plot (LTE Band 13 - 10MHz QPSK - Full RB Configuration)



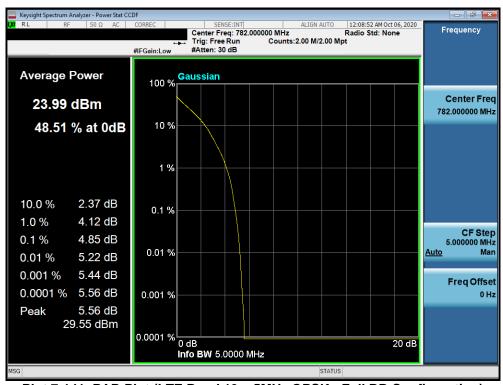
Plot 7-139. PAR Plot (LTE Band 13 - 10MHz 16-QAM - Full RB Configuration)

FCC ID: ZNFK200QM	Proud to be port of  stement	PART 27 MEASUREMENT REPORT LG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 96 of 119
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset	Page 86 of 118





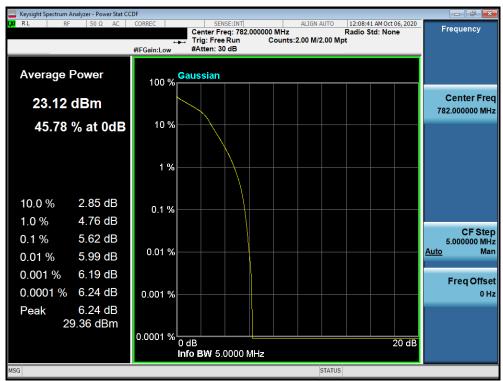
Plot 7-140. PAR Plot (LTE Band 13 - 10MHz 64-QAM - Full RB Configuration)



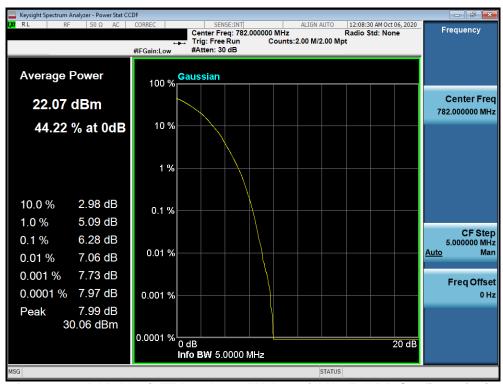
Plot 7-141. PAR Plot (LTE Band 13 - 5MHz QPSK - Full RB Configuration)

FCC ID: ZNFK200QM	Proud to be part of selement	PART 27 MEASUREMENT REPORT	G	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:		Dags 07 of 110	
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset		Page 87 of 118	





Plot 7-142. PAR Plot (LTE Band 13 - 5MHz 16-QAM - Full RB Configuration)

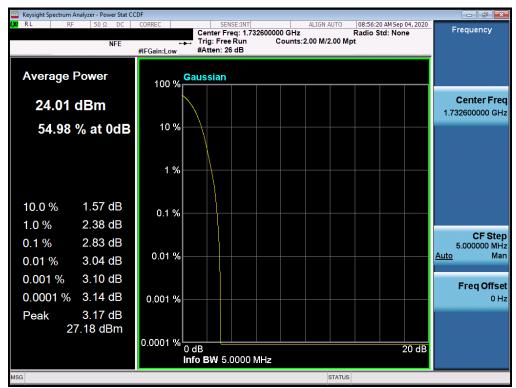


Plot 7-143. PAR Plot (LTE Band 13 - 5MHz 64-QAM - Full RB Configuration)

FCC ID: ZNFK200QM	Proud to be port of @element	PART 27 MEASUREMENT REPORT	LG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogo 99 of 119
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset		Page 88 of 118



# **WCDMA AWS**

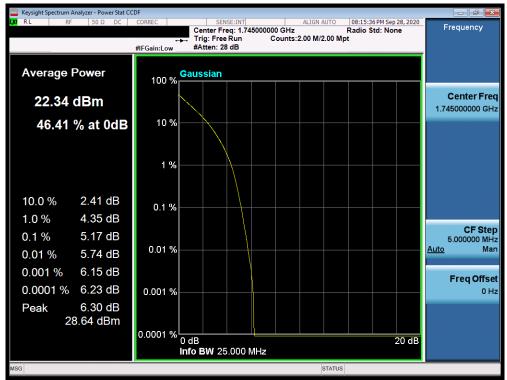


Plot 7-144. PAR Plot (WCDMA, Ch. 1413)

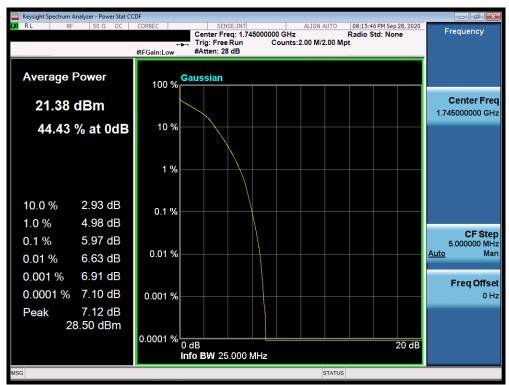
FCC ID: ZNFK200QM	PCTEST* Proud to be part of (*) element	PART 27 MEASUREMENT REPORT	LG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 89 of 118
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset		
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# LTE Band 66/4



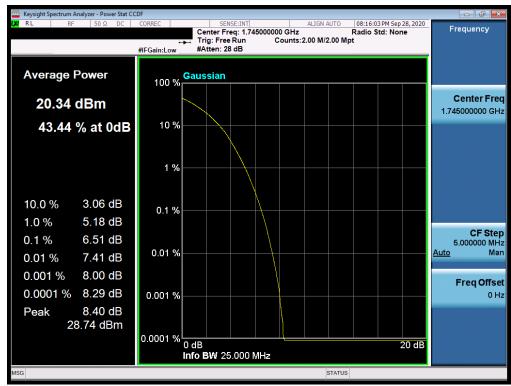
Plot 7-145. PAR Plot (LTE Band 66/4 - 20MHz QPSK - Full RB Configuration)



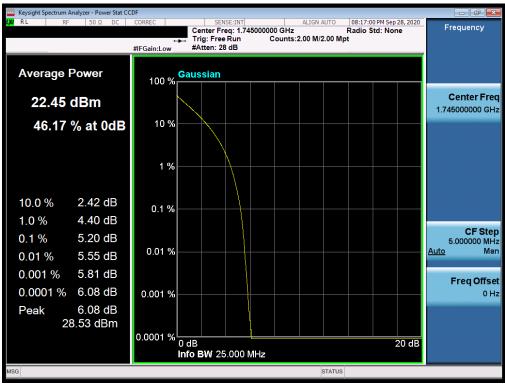
Plot 7-146. PAR Plot (LTE Band 66/4 - 20MHz 16-QAM - Full RB Configuration)

	<u> </u>			<u> </u>
FCC ID: ZNFK200QM	Proud to be part of @ element	PART 27 MEASUREMENT REPORT	LG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 90 of 118
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset		rage 90 01 116





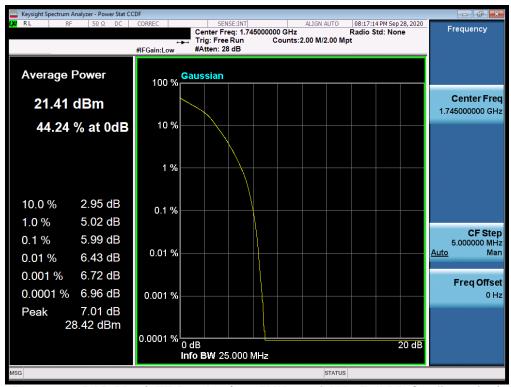
Plot 7-147. PAR Plot (LTE Band 66/4 - 20MHz 64-QAM - Full RB Configuration)



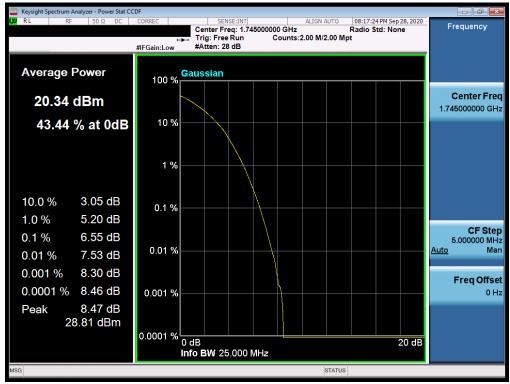
Plot 7-148. PAR Plot (LTE Band 66/4 - 15MHz QPSK - Full RB Configuration)

FCC ID: ZNFK200QM	Proud to be part of selement	PART 27 MEASUREMENT REPORT LG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 01 of 119
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset	Page 91 of 118





Plot 7-149. PAR Plot (LTE Band 66/4 - 15MHz 16-QAM - Full RB Configuration)



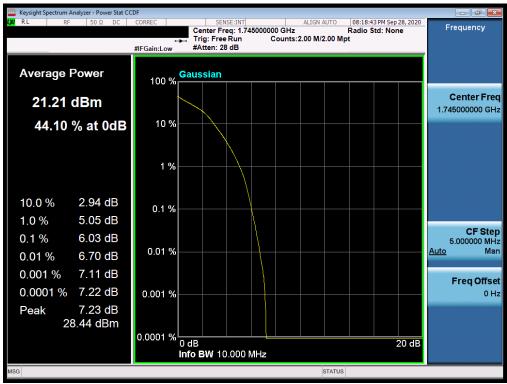
Plot 7-150. PAR Plot (LTE Band 66/4 - 15MHz 64-QAM - Full RB Configuration)

FCC ID: ZNFK200QM	Proud to be part of @element	PART 27 MEASUREMENT REPORT	LG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Daga 02 of 440
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset		Page 92 of 118
© 2020 PCTEST	•	•		





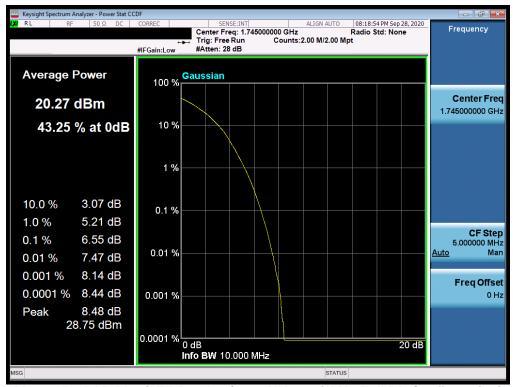
Plot 7-151. PAR Plot (LTE Band 66/4 - 10MHz QPSK - Full RB Configuration)



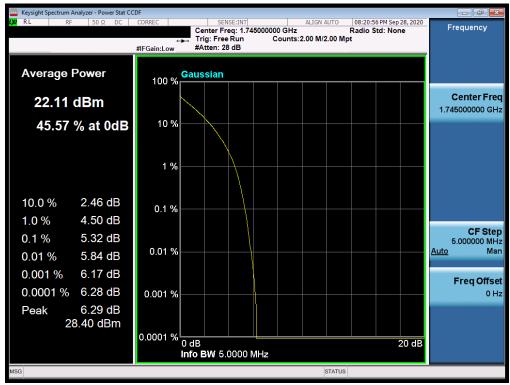
Plot 7-152. PAR Plot (LTE Band 66/4 - 10MHz 16-QAM - Full RB Configuration)

FCC ID: ZNFK200QM	Proud to be port of  stement	PART 27 MEASUREMENT REPORT LG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 02 of 119
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset	Page 93 of 118





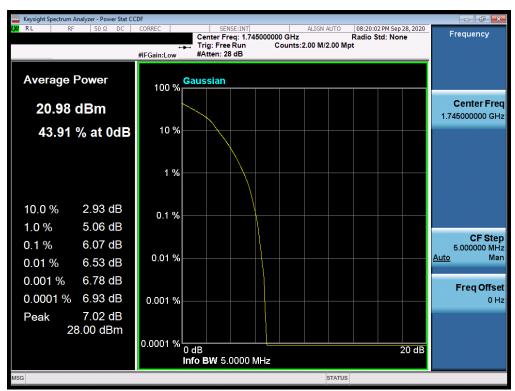
Plot 7-153. PAR Plot (LTE Band 66/4 - 10MHz 64-QAM - Full RB Configuration)



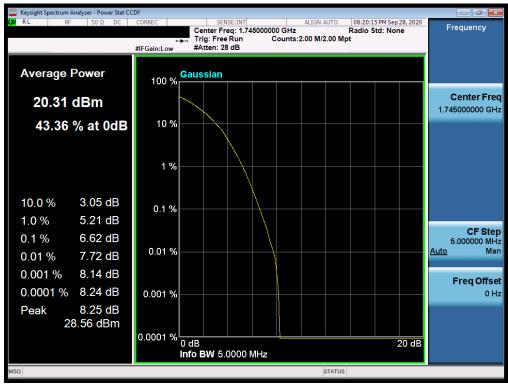
Plot 7-154. PAR Plot (LTE Band 66/4 - 5MHz QPSK - Full RB Configuration)

FCC ID: ZNFK200QM	PCTEST* Proud to be part of @element	PART 27 MEASUREMENT REPORT	1 LG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogo 04 of 119
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset		Page 94 of 118





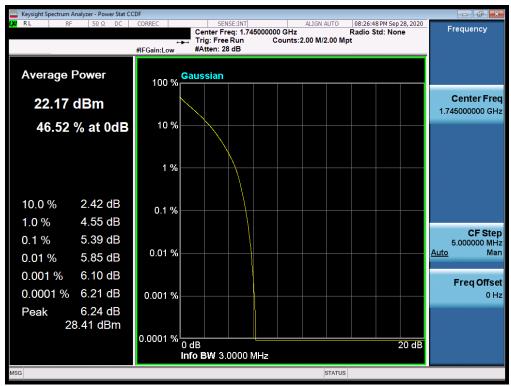
Plot 7-155. PAR Plot (LTE Band 66/4 - 5MHz 16-QAM - Full RB Configuration)



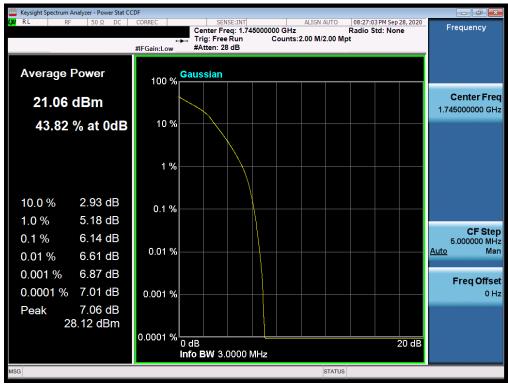
Plot 7-156. PAR Plot (LTE Band 66/4 - 5MHz 64-QAM - Full RB Configuration)

FCC ID: ZNFK200QM	PCTEST* Proud to be part of @ element	PART 27 MEASUREMENT REPORT	LG	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:		Dags 05 of 110	
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset		Page 95 of 118	
© 2020 PCTEST	•	•		•	





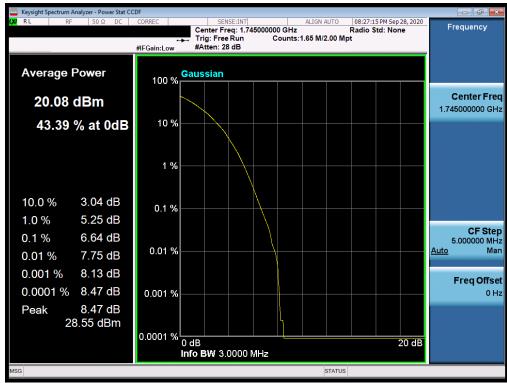
Plot 7-157. PAR Plot (LTE Band 66/4 - 3MHz QPSK - Full RB Configuration)



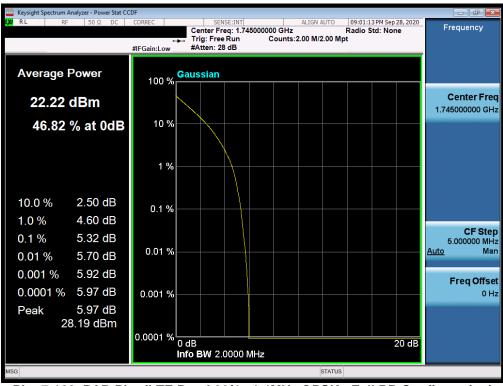
Plot 7-158. PAR Plot (LTE Band 66/4 - 3MHz 16-QAM - Full RB Configuration)

FCC ID: ZNFK200QM	Proud to be port of ® element	PART 27 MEASUREMENT REPORT	1 LG	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:		Dogo 06 of 119	
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset		Page 96 of 118	





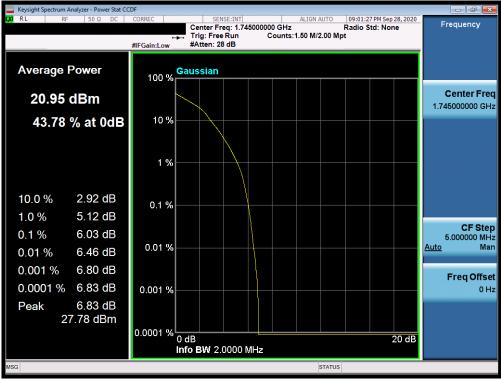
Plot 7-159. PAR Plot (LTE Band 66/4 - 3MHz 64-QAM - Full RB Configuration)



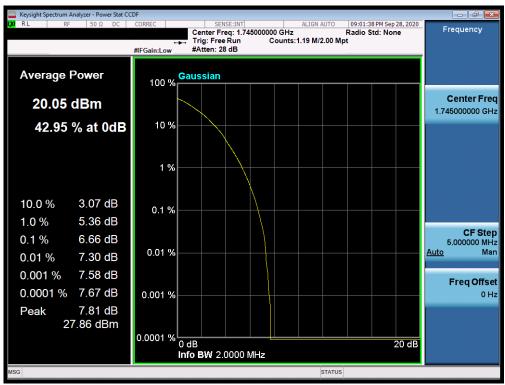
Plot 7-160. PAR Plot (LTE Band 66/4 - 1.4MHz QPSK - Full RB Configuration)

FCC ID: ZNFK200QM	Proud to be part of selement	PART 27 MEASUREMENT REPORT LG	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Page 97 of 118	
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset	rage 97 01 116	





Plot 7-161. PAR Plot (LTE Band 66/4 - 1.4MHz 16-QAM - Full RB Configuration)



Plot 7-162. PAR Plot (LTE Band 66/4 - 1.4MHz 64-QAM - Full RB Configuration)

FCC ID: ZNFK200QM	Proud to be part of selement	PART 27 MEASUREMENT REPORT LG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 00 of 110
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset	Page 98 of 118



# 7.6 Radiated Power (EIRP)

### **Test Overview**

Effective Radiated Power (ERP) and Equivalent Isotropic Radiated Power (EIRP) measurements are performed using the substitution method described in ANSI/TIA-603-E-2016 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using vertically and horizontally polarized tuned dipole antennas. All measurements are performed as RMS average measurements while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies.

## **Test Procedures Used**

KDB 971168 D01 v03r01 - Section 5.2.1

ANSI/TIA-603-E-2016 - Section 2.2.17

## **Test Settings**

- 1. Radiated power measurements are performed using the signal analyzer's "channel power" measurement capability for signals with continuous operation.
- 2. RBW = 1 5% of the expected OBW, not to exceed 1MHz
- 3. VBW  $\geq$  3 x RBW
- 4. Span = 1.5 times the OBW
- 5. No. of sweep points  $\geq 2 \times \text{span} / \text{RBW}$
- 6. Detector = RMS
- 7. Trigger is set to "free run" for signals with continuous operation with the sweep times set to "auto".
- 8. The integration bandwidth was roughly set equal to the measured OBW of the signal for signals with continuous operation.
- 9. Trace mode = trace averaging (RMS) over 100 sweeps
- 10. The trace was allowed to stabilize

FCC ID: ZNFK200QM	Proud to be port of @element	PART 27 MEASUREMENT REPORT	LG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 99 of 118
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset		rage 99 01 110



## **Test Setup**

The EUT and measurement equipment were set up as shown in the diagram below.

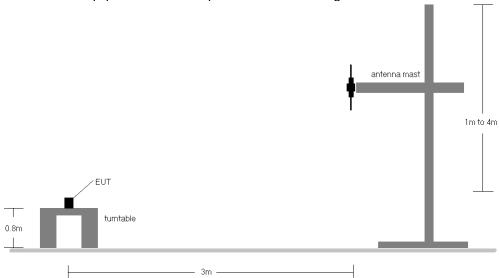


Figure 7-3. Radiated Test Setup <1GHz

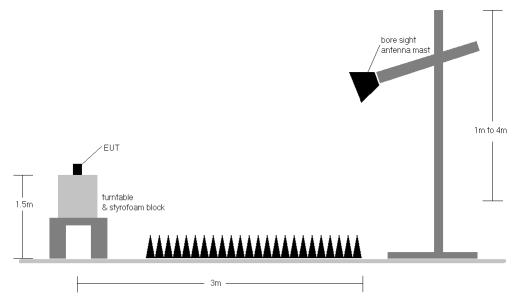


Figure 7-4. Radiated Test Setup >1GHz

FCC ID: ZNFK200QM	Proud to be part of @ element	PART 27 MEASUREMENT REPORT	LG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 100 of 118
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset		rage 100 of 116



### **Test Notes**

- The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The
  worst case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and
  channel bandwidth configurations shown in the tables below.
- 2) This unit was tested with its standard battery.
- 3) This device employs UMTS technology with WCDMA (AMR/RMC) and HSDPA capabilities. The EUT was tested under all configurations and the highest power is reported in WCDMA mode with HSDPA Inactive at 12.2 kbps RMC and TPC bits all set to "1".
- 4) The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case setup is reported in the tables below.

FCC ID: ZNFK200QM	Proud to be part of @element	PART 27 MEASUREMENT REPORT	LG	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:		Page 101 of 118	
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset		rage 101 01 116	



Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
		704.0	٧	172.0	152.0	4.58	1/0	17.82	22.40	0.174	36.99	-14.59	20.25	0.106	34.77	-14.52
MHz	QPSK	707.5	V	157.0	158.0	4.62	1/0	17.11	21.73	0.149	36.99	-15.26	19.58	0.091	34.77	-15.19
		711.0	V	157.0	153.0	4.67	1/0	16.92	21.59	0.144	36.99	-15.40	19.44	0.088	34.77	-15.33
5	16-QAM	704.0	V	172.0	152.0	4.58	1/0	16.25	20.83	0.121	36.99	-16.16	18.68	0.074	34.77	-16.09
	64-QAM	704.0	V	172.0	152.0	4.58	1/0	16.05	20.63	0.116	36.99	-16.36	18.48	0.070	34.77	-16.29
		701.5	V	172.0	152.0	4.60	1/49	17.85	22.45	0.176	36.99	-14.54	20.30	0.107	34.77	-14.47
부	QPSK	707.5	V	157.0	158.0	4.62	1/25	17.31	21.93	0.156	36.99	-15.06	19.78	0.095	34.77	-14.99
MHz		713.5	V	157.0	153.0	4.70	1/49	16.71	21.41	0.138	36.99	-15.58	19.26	0.084	34.77	-15.51
2	16-QAM	701.5	V	172.0	152.0	4.60	1/25	16.26	20.86	0.122	36.99	-16.13	18.71	0.074	34.77	-16.06
	64-QAM	701.5	V	172.0	152.0	4.60	1/0	16.03	20.63	0.116	36.99	-16.36	18.48	0.070	34.77	-16.29
	700.5	700.5	٧	172.0	152.0	4.59	1/0	17.69	22.28	0.169	36.99	-14.71	20.13	0.103	34.77	-14.64
부	QPSK	707.5	V	157.0	158.0	4.62	1/25	17.03	21.65	0.146	36.99	-15.34	19.50	0.089	34.77	-15.27
MHz		714.5	V	157.0	153.0	4.71	1/25	17.06	21.77	0.150	36.99	-15.22	19.62	0.092	34.77	-15.15
က	16-QAM	700.5	V	172.0	152.0	4.59	1/25	16.44	21.03	0.127	36.99	-15.96	18.88	0.077	34.77	-15.89
	64-QAM	700.5	V	172.0	152.0	4.59	1/0	15.79	20.38	0.109	36.99	-16.61	18.23	0.067	34.77	-16.54
		699.7	V	172.0	152.0	4.56	1/49	17.88	22.44	0.175	36.99	-14.55	20.29	0.107	34.77	-14.48
MHz	QPSK	707.5	V	157.0	158.0	4.62	1/25	16.92	21.54	0.143	36.99	-15.45	19.39	0.087	34.77	-15.38
≥		715.3	V	157.0	153.0	4.72	1/49	17.20	21.92	0.155	36.99	-15.07	19.77	0.095	34.77	-15.00
1.4	16-QAM	699.7	٧	172.0	152.0	4.56	1/25	16.57	21.13	0.130	36.99	-15.86	18.98	0.079	34.77	-15.79
	64-QAM	699.7	V	172.0	152.0	4.56	1/25	15.77	20.33	0.108	36.99	-16.66	18.18	0.066	34.77	-16.59
	Opposite Pol.	704.0	Н	150.0	266.0	3.58	1/0	13.80	17.38	0.055	36.99	-19.61	15.23	0.033	34.77	-19.54

# Table 7-163. ERP Data (LTE Band 12/17)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
至	QPSK	782.0	Н	230.0	182.0	5.89	1 / 25	19.14	25.03	0.319	36.99	-11.96	22.88	0.194	34.77	-11.89
<b>₩</b>	16-QAM	782.0	Н	230.0	182.0	5.89	1/0	17.88	23.77	0.238	36.99	-13.22	21.62	0.145	34.77	-13.15
7	64-QAM	782.0	Н	230.0	182.0	5.89	1/0	17.40	23.29	0.213	36.99	-13.70	21.14	0.130	34.77	-13.63
		779.5	Н	230.0	182.0	5.82	1 / 12	19.69	25.51	0.355	36.99	-11.48	23.36	0.217	34.77	-11.42
보		782.0	Н	230.0	182.0	5.89	1 / 12	19.49	25.38	0.345	36.99	-11.61	23.23	0.211	34.77	-11.54
Ė		784.5	Н	230.0	182.0	5.92	1 / 12	19.22	25.14	0.327	36.99	-11.85	22.99	0.199	34.77	-11.78
2	16-QAM	782.0	Н	230.0	182.0	5.89	1 / 12	18.06	23.95	0.249	36.99	-13.04	21.80	0.151	34.77	-12.97
	64-QAM	782.0	Н	230.0	182.0	5.89	1/0	17.29	23.18	0.208	36.99	-13.81	21.03	0.127	34.77	-13.74
	Opposite Pol.	779.5	V	100.0	195.0	5.77	1 / 12	18.59	24.36	0.273	36.99	-12.63	22.21	0.166	34.77	-12.57

Table 7-164. ERP Data (LTE Band 13)

Frequency [MHz]	Mode	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Substitute Level [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1712.40	WCDMA1700	Н	149	34	13.42	9.46	22.88	0.194	30.00	-7.12
1732.60	WCDMA1700	Н	176	235	13.88	9.34	23.22	0.210	30.00	-6.78
1752.60	WCDMA1700	Н	178	29	13.57	9.24	22.81	0.191	30.00	-7.19
1732.60	WCDMA1700	V	367	236	12.15	9.22	21.37	0.137	30.00	-8.63

Table 7-165. EIRP Data (WCDMA AWS)

FCC ID: ZNFK200QM	Proud to be part of @element	PART 27 MEASUREMENT REPORT	LG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogo 102 of 119
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset		Page 102 of 118



Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
		1720.0	Н	150.0	27.0	9.41	1 / 99	14.29	23.70	0.235	30.00	-6.30
꿒	QPSK	1745.0	Н	141.0	29.0	9.26	1 / 0	13.78	23.04	0.201	30.00	-6.96
20 MHz		1770.0	Н	142.0	28.0	9.27	1 / 0	12.63	21.90	0.155	30.00	-8.10
20	16-QAM	1720.0	Н	150.0	27.0	9.41	1 / 0	13.67	23.08	0.203	30.00	-6.92
	64-QAM	1720.0	Н	150.0	27.0	9.41	1 / 99	12.69	22.10	0.162	30.00	-7.90
		1717.5	Н	150.0	27.0	9.43	1/36	14.29	23.72	0.236	30.00	-6.28
보	QPSK	1745.0	Н	141.0	29.0	9.26	1/0	13.29	22.55	0.180	30.00	-7.45
15 MHz		1772.5	Н	142.0	28.0	9.27	1/74	12.56	21.83	0.152	30.00	-8.17
15	16-QAM	1717.5	Н	150.0	27.0	9.43	1/36	13.18	22.61	0.183	30.00	-7.39
	64-QAM	1717.5	Н	150.0	27.0	9.43	1/36	12.14	21.57	0.144	30.00	-8.43
		1715.0	Н	150.0	27.0	9.44	1/0	14.28	23.72	0.236	30.00	-6.28
물	QPSK	1745.0	Н	141.0	29.0	9.26	1/0	13.49	22.75	0.188	30.00	-7.25
10 MHz		1775.0	Н	142.0	28.0	9.28	1/25	12.88	22.16	0.164	30.00	-7.84
10	16-QAM	1715.0	Н	150.0	27.0	9.44	1/25	13.24	22.68	0.186	30.00	-7.32
	64-QAM	1715.0	Н	150.0	27.0	9.44	1/25	12.39	21.83	0.153	30.00	-8.17
	0.001/	1712.5	Н	150.0	27.0	9.46	1/12	14.53	23.99	0.251	30.00	-6.01
5 MHz	QPSK	1745.0	Н	141.0	29.0	9.26	1/12	13.59	22.85	0.193	30.00	-7.15
Σ		1777.5	Н	142.0	28.0	9.28	1/12	12.23	21.51	0.142	30.00	-8.49
5	16-QAM	1745.0	Н	141.0	29.0	9.26	1/24	13.52	22.78	0.190	30.00	-7.22
	64-QAM	1712.5	Н	150.0	27.0	9.46	1/12	12.73	22.19	0.166	30.00	-7.81
		1711.5	Н	150.0	27.0	9.47	1/7	14.28	23.74	0.237	30.00	-6.26
3 MHz	QPSK	1745.0	Н	141.0	29.0	9.26	1/7	13.46	22.72	0.187	30.00	-7.28
Σ		1778.5	Н	142.0	28.0	9.28	1/14	12.43	21.72	0.149	30.00	-8.28
က	16-QAM	1711.5	Н	150.0	27.0	9.47	1/0	13.33	22.79	0.190	30.00	-7.21
	64-QAM	1711.5	Н	150.0	27.0	9.47	1/7	12.09	21.55	0.143	30.00	-8.45
N		1710.7	Н	150.0	27.0	9.47	1/2	14.32	23.79	0.240	30.00	-6.21
1.4 MHz	QPSK	1745.0	Н	141.0	29.0	9.26	1/5	13.30	22.56	0.180	30.00	-7.44
4 ≥		1779.3	Н	142.0	28.0	9.29	1/2	12.50	21.79	0.151	30.00	-8.21
	16-QAM	1710.7	Н	150.0	27.0	9.47	1/5	13.21	22.68	0.186	30.00	-7.32
	64-QAM	1710.7	Н	150.0	27.0	9.47	1/2	12.20	21.67	0.147	30.00	-8.33
	Opposite Pol.	1720.0	V	136.0	42.0	9.41	1 / 0	12.66	22.07	0.161	30.00	-7.93

Table 7-166. EIRP Data (LTE Band 66/4)

FCC ID: ZNFK200QM	Proud to be port of ® element	PART 27 MEASUREMENT REPORT	LG	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:		Dogo 102 of 119	
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset		Page 103 of 118	



# 7.7 Radiated Spurious Emissions Measurements

## **Test Overview**

Radiated spurious emissions measurements are performed using the substitution method described in ANSI/TIA-603-E-2016 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using horizontally and vertically polarized tuned dipole antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed as peak measurements while the EUT is operating at maximum power, and at the appropriate frequencies.

# **Test Procedures Used**

KDB 971168 D01 v03r01 - Section 5.8

ANSI/TIA-603-E-2016 - Section 2.2.12

### **Test Settings**

- 1. RBW = 100kHz for emissions below 1GHz and 1MHz for emissions above 1GHz
- 2. VBW ≥ 3 x RBW
- 3. Span = 1.5 times the OBW
- 4. No. of sweep points > 2 x span / RBW
- 5. Detector = RMS
- 6. Trace mode = Average (Max Hold for pulsed emissions)
- 7. The trace was allowed to stabilize

FCC ID: ZNFK200QM	Proud to be port of selement	PART 27 MEASUREMENT REPORT	LG	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:		Page 104 of 118	
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset		rage 104 01 116	



### **Test Setup**

The EUT and measurement equipment were set up as shown in the diagram below.

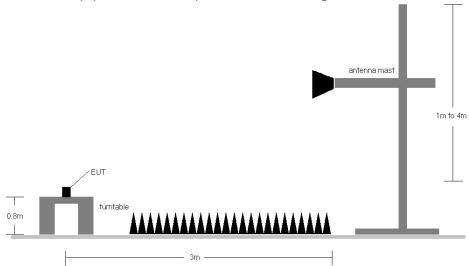


Figure 7-5. Test Instrument & Measurement Setup

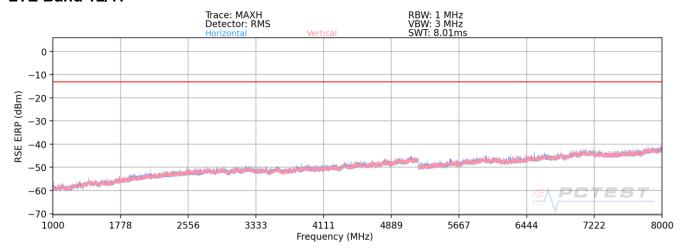
## **Test Notes**

- 1) Field strengths are calculated using the Measurement quantity conversions in KDB 971168 Section 5.8.4. b) E(dBµV/m) = Measured amplitude level (dBm) + 107 + Cable Loss (dB) + Antenna Factor (dB/m)
  - d) EIRP (dBm) =  $E(dB\mu V/m) + 20loqD 104.8$ ; where D is the measurement distance in meters.
- 2) The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
- 3) This unit was tested with its standard battery.
- 4) This device employs UMTS technology with WCDMA (AMR/RMC) and HSDPA capabilities. The EUT was tested under all configurations and the highest power is reported in WCDMA mode with HSDPA Inactive at 12.2 kbps RMC and TPC bits all set to "1".
- 5) The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case setup is reported in the tables below.
- 6) The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
- 7) Emissions below 18GHz were measured at a 3 meter test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
- 8) The "-" shown in the following RSE tables are used to denote a noise floor measurement.

FCC ID: ZNFK200QM	Proud to be part of @element	PART 27 MEASUREMENT REPORT	LG	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:		Page 105 of 118	
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset		rage 105 01 116	



# LTE Band 12/17



Plot 7-167. Radiated Spurious Plot (LTE Band 12/17)

Bandwidth (MHz):	10
Frequency (MHz):	704.0
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1408.0	Н	357	146	-71.19	0.55	36.36	-58.90	-13.00	-45.90
2112.0	Н	128	43	-72.50	3.67	38.17	-57.08	-13.00	-44.08
2816.0	Н	-	-	-79.17	5.59	33.42	-61.84	-13.00	-48.84
3520.0	Н	-	-	-79.81	6.96	34.15	-61.11	-13.00	-48.11
4224.0	Н	-	-	-80.34	8.08	34.74	-60.52	-13.00	-47.52

Table 7-2. Radiated Spurious Data (LTE Band 12/17 – Low Channel)

FCC ID: ZNFK200QM	Proud to be part of @ element	PART 27 MEASUREMENT REPORT	LG	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:		Page 106 of 118	
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset		rage 100 01 110	



Bandwidth (MHz):	10
Frequency (MHz):	707.5
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1415.0	Н	127	94	-78.06	0.61	29.55	-65.71	-13.00	-52.71
2122.5	Н	384	122	-72.87	3.64	37.77	-57.49	-13.00	-44.49
2830.0	Н	-	-	-78.88	5.63	33.75	-61.50	-13.00	-48.50
3537.5	Н	-	-	-80.18	7.34	34.16	-61.10	-13.00	-48.10
4245.0	Н	-	-	-80.11	7.75	34.64	-60.62	-13.00	-47.62

Table 7-3. Radiated Spurious Data (LTE Band 12/17 - Mid Channel)

Bandwidth (MHz):	10
Frequency (MHz):	711.0
RB / Offset:	1 / 25

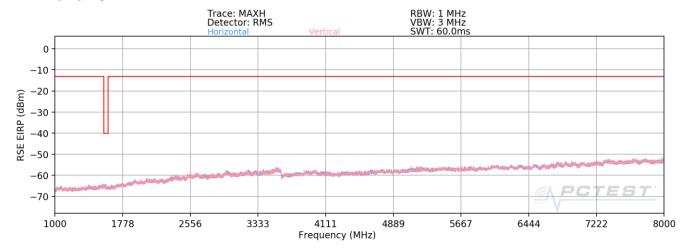
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1422.0	Н	6	23	-73.88	0.31	33.43	-61.83	-13.00	-48.83
2133.0	Н	165	137	-73.32	3.60	37.28	-57.97	-13.00	-44.97
2844.0	Н	-	-	-78.99	5.55	33.56	-61.70	-13.00	-48.70
3555.0	Н	-	-	-80.31	7.80	34.49	-60.77	-13.00	-47.77
4266.0	Н	-	-	-80.17	7.86	34.69	-60.57	-13.00	-47.57

Table 7-4. Radiated Spurious Data (LTE Band 12/17 – High Channel)

FCC ID: ZNFK200QM	Proud to be port of @element	PART 27 MEASUREMENT REPORT	LG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 107 of 118
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset		rage 107 01 116



## LTE Band 13



Plot 7-168. Radiated Spurious Plot (LTE Band 13)

Bandwidth (MHz):	10
Frequency (MHz):	782.0
RB / Offset:	1 / 25

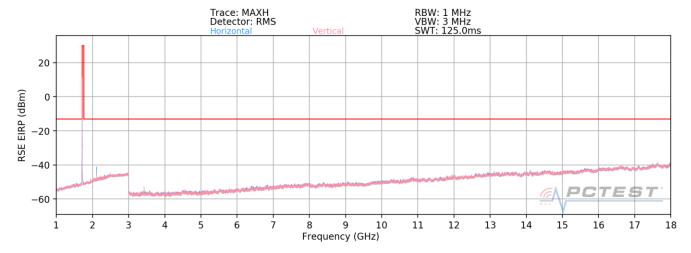
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1564.0	Н	243	332	-75.38	-5.03	26.59	-68.67	-40.00	-28.67
2346.0	Н	114	55	-74.41	-2.56	30.03	-65.23	-13.00	-52.23
3128.0	Н	122	145	-72.96	-0.17	33.87	-61.39	-13.00	-48.39
3910.0	Н	1	349	-77.66	2.71	32.05	-63.21	-13.00	-50.21
4692.0	Н	118	152	-73.52	2.65	36.13	-59.12	-13.00	-46.12
5474.0	Н	-	-	-79.03	5.76	33.73	-61.52	-13.00	-48.52
6256.0	Н	-	-	-79.31	6.07	33.76	-61.50	-13.00	-48.50
7038.0	Н	-	-	-79.60	6.87	34.27	-60.99	-13.00	-47.99

Plot 7-169. Radiated Spurious Data (LTE Band 13)

FCC ID: ZNFK200QM	Proud to be port of @element	PART 27 MEASUREMENT REPORT	LG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 108 of 118
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset		rage 100 01 110



## **WCDMA AWS**



Plot 7-170. Radiated Spurious Plot (WCDMA AWS)

Mode:	WCDMA RMC
Channel:	1312
Frequency (MHz):	1712.4

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3424.8	Н	190	20	-64.94	1.47	43.53	-51.73	-13.00	-38.73
5137.2	Н	147	30	-76.01	4.07	35.06	-60.20	-13.00	-47.20
6849.6	Н	163	328	-78.03	7.77	36.74	-58.51	-13.00	-45.51
8562.0	Н	-	-	-81.32	10.40	36.08	-59.17	-13.00	-46.17
10274.4	Н	228	321	-74.97	11.74	43.77	-51.49	-13.00	-38.49
11986.8	Н	-	-	-81.65	14.06	39.41	-55.85	-13.00	-42.85
13699.2	Н	-	-	-82.17	15.75	40.58	-54.68	-13.00	-41.68
15411.6	Н	-	-	-81.96	13.62	38.66	-56.60	-13.00	-43.60

7-5. Radiated Spurious Data (WCDMA AWS – Low Channel)

FCC ID: ZNFK200QM	PCTEST* Proud to be part of @ element	PART 27 MEASUREMENT REPORT	LG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 109 of 118
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset		rage 109 01 116



Mode:	WCDMA RMC
Channel:	1413
Frequency (MHz):	1732.6

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3465.2	Н	229	27	-65.72	0.73	42.01	-53.24	-13.00	-40.24
5197.8	Н	22	28	-78.71	4.52	32.81	-62.45	-13.00	-49.45
6930.4	Н	170	339	-77.84	6.67	35.83	-59.42	-13.00	-46.42
8663.0	Н	-	-	-80.06	10.67	37.61	-57.65	-13.00	-44.65
10395.6	Н	133	318	-75.85	11.89	43.04	-52.22	-13.00	-39.22
12128.2	Н	-	-	-81.78	13.43	38.65	-56.61	-13.00	-43.61
13860.8	Н	-	-	-83.05	17.29	41.24	-54.02	-13.00	-41.02
15593.4	Н	-	-	-82.14	13.42	38.28	-56.97	-13.00	-43.97

Table 7-6. Radiated Spurious Data (WCDMA AWS – Mid Channel)

Mode:	WCDMA RMC
Channel:	1513
Frequency (MHz):	1752.6

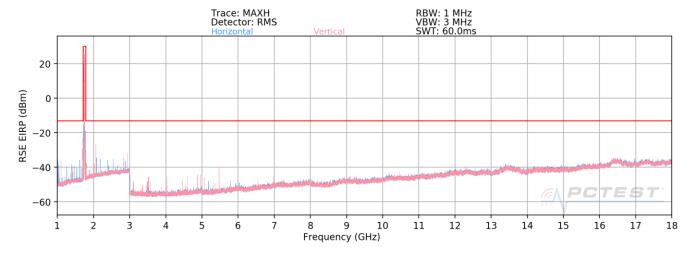
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3505.2	Н	253	29	-62.26	1.21	45.95	-49.31	-13.00	-36.31
5257.8	Н	167	297	-77.61	4.13	33.52	-61.74	-13.00	-48.74
7010.4	Н	193	333	-77.69	6.39	35.70	-59.56	-13.00	-46.56
8763.0	Н	-	-	-80.51	10.57	37.06	-58.20	-13.00	-45.20
10515.6	Н	215	320	-75.14	11.83	43.69	-51.57	-13.00	-38.57
12268.2	Н	-	-	-81.24	12.99	38.75	-56.51	-13.00	-43.51
14020.8	Н	-	-	-82.01	16.12	41.11	-54.15	-13.00	-41.15
15773.4	Н	-	-	-83.35	14.83	38.48	-56.78	-13.00	-43.78

Table 7-7. Radiated Spurious Data (WCDMA AWS - High Channel)

FCC ID: ZNFK200QM	Proud to be port of @ element	PART 27 MEASUREMENT REPORT	G	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 110 of 118
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset		rage 110 01 116



## LTE Band 66/4



Plot 7-171. Radiated Spurious Plot (LTE Band 66/4)

Bandwidth (MHz):	20
Frequency (MHz):	1720.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3440.0	Н	145	163	-64.38	7.45	50.07	-45.19	-13.00	-32.19
5160.0	Н	155	185	-75.53	10.05	41.52	-53.74	-13.00	-40.74
6880.0	Н	112	174	-78.11	13.39	42.28	-52.98	-13.00	-39.98
8600.0	Н	-	-	-83.35	16.37	40.02	-55.24	-13.00	-42.24
10320.0	Н	100	197	-77.49	19.46	48.97	-46.29	-13.00	-33.29
12040.0	Н	-	-	-83.21	22.07	45.86	-49.40	-13.00	-36.40
13760.0	Н	-	-	-84.16	25.63	48.47	-46.78	-13.00	-33.78
15480.0	Н	-	-	-84.17	27.15	49.98	-45.28	-13.00	-32.28

Table 7-8. Radiated Spurious Data (LTE Band 66/4 - Low Channel)

FCC ID: ZNFK200QM	Proud to be port of ® element	PART 27 MEASUREMENT REPORT	LG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 111 of 118
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset		rage III 01 110



Bandwidth (MHz):	20
Frequency (MHz):	1745.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.0	Н	100	152	-65.00	7.19	49.19	-46.06	-13.00	-33.06
5235.0	Н	102	183	-74.72	10.02	42.30	-52.96	-13.00	-39.96
6980.0	Н	126	323	-77.92	14.36	43.44	-51.81	-13.00	-38.81
8725.0	Н	-	-	-82.86	16.59	40.73	-54.52	-13.00	-41.52
10470.0	Н	101	194	-77.94	19.77	48.83	-46.43	-13.00	-33.43
12215.0	Н	-	-	-83.67	21.79	45.12	-50.13	-13.00	-37.13
13960.0	Н	-	-	-84.66	24.37	46.71	-48.55	-13.00	-35.55
15705.0	Н	-	-	-84.89	27.81	49.92	-45.34	-13.00	-32.34

Table 7-9. Radiated Spurious Data (LTE Band 66/4 - Mid Channel)

Bandwidth (MHz):	20
Frequency (MHz):	1770.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3540.00	Н	1126	101	-64.49	7.78	50.29	-44.97	-13.00	-31.97
5310.00	Н	115	183	-70.24	10.44	47.20	-48.06	-13.00	-35.06
7080.00	Н	328	331	-80.31	14.58	41.27	-53.98	-13.00	-40.98
8850.00	Н	-	-	-82.83	16.79	40.96	-54.30	-13.00	-41.30
10620.00	Н	104	12	-80.40	19.88	46.48	-48.77	-13.00	-35.77
12390.00	Н	-	-	-83.64	22.67	46.03	-49.23	-13.00	-36.23
14160.00	Н	-	-	-84.62	25.67	48.05	-47.21	-13.00	-34.21
15930.00	Н	-	-	-84.75	27.77	50.02	-45.24	-13.00	-32.24

Table 7-10. Radiated Spurious Data (LTE Band 66/4 – High Channel)

FCC ID: ZNFK200QM	Proud to be port of  stement	PART 27 MEASUREMENT REPORT LG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 112 of 118
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset	Page 112 01 116



#### **Test Overview and Limit**

Frequency stability testing is performed in accordance with the guidelines of ANSI/TIA-603-E-2016. The frequency stability of the transmitter is measured by:

- a.) **Temperature:** The temperature is varied from -30°C to +50°C in 10°C increments using an environmental chamber.
- b.) **Primary Supply Voltage:** The primary supply voltage is varied from 85% to 115% of the nominal value for non hand-carried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

For Part 27, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

### **Test Procedure Used**

ANSI/TIA-603-E-2016

#### **Test Settings**

- 1. The carrier frequency of the transmitter is measured at room temperature (20°C to provide a reference).
- 2. The equipment is turned on in a "standby" condition for fifteen minutes before applying power to the transmitter. Measurement of the carrier frequency of the transmitter is made within one minute after applying power to the transmitter.
- 3. Frequency measurements are made at 10°C intervals ranging from -30°C to +50°C. A period of at least one half-hour is provided to allow stabilization of the equipment at each temperature level.

#### **Test Setup**

The EUT was connected via an RF cable to a spectrum analyzer with the EUT placed inside an environmental chamber.

### **Test Notes**

None

FCC ID: ZNFK200QM	Proud to be port of selement	PART 27 MEASUREMENT REPORT	LG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 113 of 118
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset		rage 113 01 116



LTE Band 12/17							
	Operating F	requency (F	lz):	707,50	00,000		
	Ref. Voltage (VDC):			3.79			
	Deviation Limit:		mit:	± 0.00025% or 2.5 ppm			
V-14 (0/)	D (MDC)	0-		Frequency	Freq. Dev.		

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
		- 30	707,500,144	144	0.0000204
		- 20	707,499,944	-56	-0.0000079
	3.79	- 10	707,500,121	121	0.0000171
		0	707,499,986	-14	-0.0000020
100 %		+ 10	707,499,906	-94	-0.0000133
		+ 20 (Ref)	707,500,137	137	0.0000194
		+ 30	707,500,255	255	0.0000360
		+ 40	707,500,168	168	0.0000237
		+ 50	707,500,224	224	0.0000317
Battery Endpoint	3.04	+ 20	707,499,997	-3	-0.0000004

Table 7-9. LTE Band 12/17 Frequency Stability Data

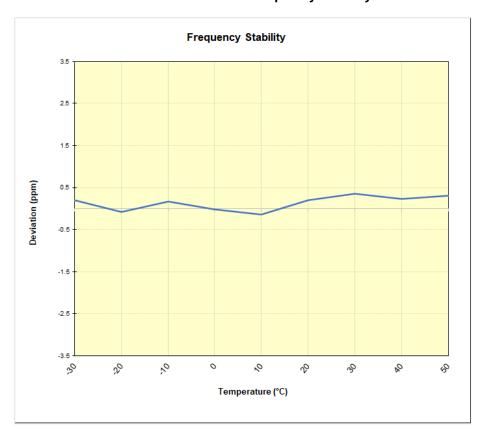


Table 7-9. LTE Band 12/17 Frequency Stability Chart

FCC ID: ZNFK200QM	Proud to be part of @ element	PART 27 MEASUREMENT REPORT	LG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 114 of 118
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset		rage 114 01 116



LTE Band 13						
	Operating Frequency (Hz):	782,000,000				
	Ref. Voltage (VDC):	3.79				
	Deviation Limit:	± 0.00025% or 2.5 ppm				

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
		- 30	782,000,190	190	0.0000243
		- 20	781,999,707	-293	-0.0000375
	3.79	- 10	781,999,769	-231	-0.0000295
		0	782,000,336	336	0.0000430
100 %		+ 10	781,999,999	-1	-0.0000001
		+ 20 (Ref)	781,999,892	-108	-0.0000138
		+ 30	782,000,240	240	0.0000307
		+ 40	781,999,814	-186	-0.0000238
		+ 50	781,999,713	-287	-0.0000367
Battery Endpoint	3.04	+ 20	782,000,153	153	0.0000196

Table 7-9. LTE Band 13 Frequency Stability Data

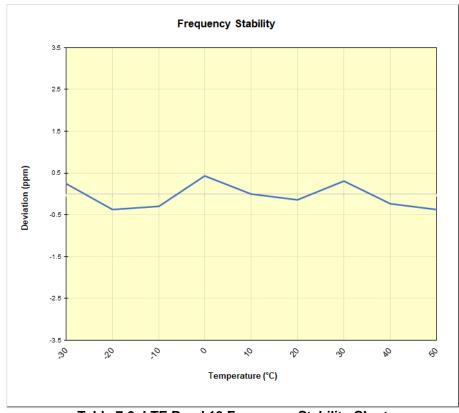


Table 7-9. LTE Band 13 Frequency Stability Chart

FCC ID: ZNFK200QM	Proud to be port of selement	PART 27 MEASUREMENT REPORT	LG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 115 of 118
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset		rage 115 01 116



Battery Endpoint

3.04

WCDMA AWS							
	Operating F	requency (Hz):	1,732,6	00,000			
	Ref.	Voltage (VDC):	3.7	79			
		Deviation Limit:	± 0.00025%	or 2.5 ppm			
Voltage (%)	Power (VDC)	Temp (°C)	Frequency	Freq. Dev.	Deviation		
			(Hz)	(Hz)	(%)		
		- 30	1,732,600,046	46	0.0000027		
		- 20	1,732,599,834	-166	-0.0000096		
		- 10	1,732,600,077	77	0.0000044		
		0	1,732,600,128	128	0.0000074		
100 %	3.79	+ 10	1,732,600,072	72	0.0000042		
		+ 20 (Ref)	1,732,600,082	82	0.0000047		
		+ 30	1,732,600,008	8	0.0000005		
		+ 40	1,732,600,197	197	0.0000114		
		+ 50	1,732,599,686	-314	-0.0000181		

Table 7-9. WCDMA AWS Frequency Stability Data

1,732,599,720

-280

-0.0000162

+ 20

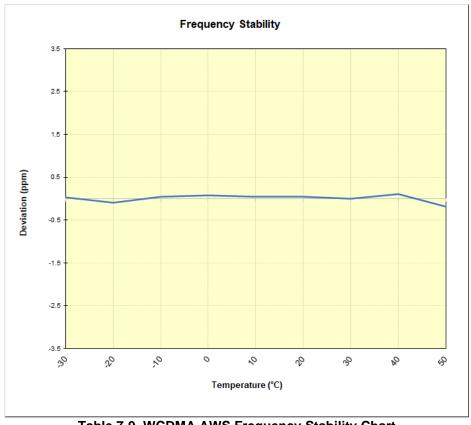


Table 7-9. WCDMA AWS Frequency Stability Chart

FCC ID: ZNFK200QM	Proud to be part of selement	PART 27 MEASUREMENT REPORT	LG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 116 of 118
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset		rage 110 01 110



LTE Band 66/4							
	Operating F	requency (Hz):	1,745,0	00,000			
	Ref.	Voltage (VDC):	3.7	79			
		Deviation Limit:	± 0.00025%	or 2.5 ppm			
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)		
		- 30	1,745,000,002	2	0.0000001		
		- 20	1,744,999,831	-169	-0.0000097		
		- 10	1,745,000,130	130	0.0000074		
		0	1,745,000,147	147	0.0000084		
400.07			4 745 000 000	00	0.0000040		
100 %	3.79	+ 10	1,745,000,083	83	0.0000048		

Table 7-9. LTE Band 66/4 Frequency Stability Data

1,744,999,836

1,745,000,372

1,745,000,282

1,744,999,978

-0.0000094

0.0000213

0.0000162

-0.0000013

-164

372

282

-22

+ 30

+ 40

+ 50

+ 20

3.04

**Battery Endpoint** 

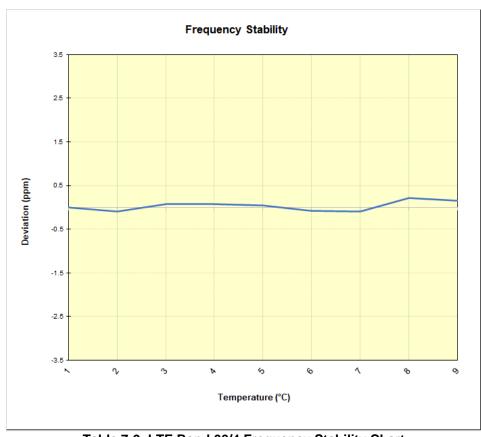


Table 7-9. LTE Band 66/4 Frequency Stability Chart

FCC ID: ZNFK200QM	Proud to be part of selement	PART 27 MEASUREMENT REPORT	<b>LG</b>	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 117 of 118
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset		rage 117 01 116



#### CONCLUSION 8.0

The data collected relate only to the item(s) tested and show that the LG Portable Handset FCC ID: ZNFK200QM complies with all the requirements of Part 27 of the FCC rules RSS-130, RSS-139, and RSS-Gen of the Innovation, Science and Economic Development Canada Rules.

FCC ID: ZNFK200QM	Proud to be port of selement	PART 27 MEASUREMENT REPORT	LG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 118 of 118
1M2009230153-13.ZNF	8/26/2020 - 10/30/2020	Portable Handset		rage 110 01 110